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ABSTRACT

A tag for electronic article identification has at least two magnetic elements, which represent an identify of the tag, or of an article to which the tag is attached. The magnetic elements may be electromagnetically detected and are formed as wires made from an amorphous or nano-crystalline metal alloy. The magnetic elements are arranged at predetermined angles to each other. At least one of the magnetic elements has a length which is different from the length of at least one other magnetic elements of the tag. Furthermore, at least one of the magnetic elements has a diameter which is different from the diameter of at least one other magnetic element of the tag. The lengths and diameters of the magnetic elements, and the angles between them, jointly form the identity of the tag.